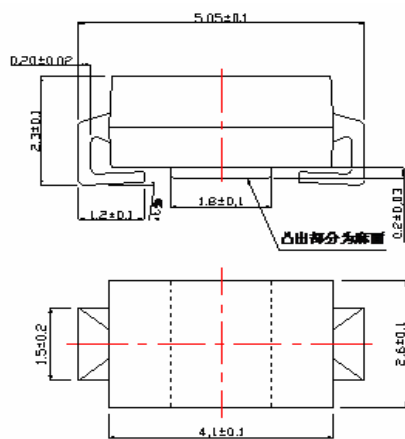




# D63

## 双向触发二极管

### SILICON BIDIRECTIONAL DIAC



SMA DO-214AC

#### 特征 Features

- 低的反向漏电流 Low reverse leakage
- 较强的正向浪涌承受能力 High forward surge capability
- 高温焊接保证 High temperature soldering guaranteed:  
250°C/5 秒。  
250°C/5 seconds.
- 引线可承受5 磅 (2.3kg) 拉力。 5 lbs. (2.3kg) tension

#### 机械数据 Mechanical Data

- 端子: 镀锡SMA引线 Terminals: Plated SMA leads
- 极性: Polarity: no Color band
- 安装位置: 任意 Mounting Position: Any

#### ABSOLUTE RATINGS ( LIMITING VALUES )

Symbols	Parameters	Value ÁÐÓH	Units
$P_c$	Power Dissipation on Printed Circuit [ L=10mm ] $T_A=50^\circ\text{C}$	150	mW
$I_{TRM}$	Repetitive Peak on-state Current tp=10s F=100Hz	2.0	A
$T_{STG}/T_J$	Storage and 0 perating Junction Temperature	-40 to +125 / -40 to 110	$^\circ\text{C}$

#### ELECTRICAL CHARACTERISTICS

Symbols	Parameters	Test Conditions	Value	Units	
			ÁÐÓH		
$V_{BO}$	Breakover Voltage [Note 2 ]	C=22nF [Note 2 ] See Diagram 1	Min	28	V
			Typ	32	
			Max	36	
$I + V_{BO}$ $I - V_{BO}$	Breakover Voltage Symmetry	C=22nF [Note 2 ] See Diagram 1	Max	$\pm 3$	V
$I \pm \Delta V$	Dynamic Breakover Voltage [Note 1 ]	$\Delta I = [ I_{BO} \text{ to } I_F = 10\text{mA} ]$ See Diagram 1	Min	5	V
$V_o$	Output Voltage [Note 1 ]	See Diagram 2	Min	5	V
$I_{BO}$	Breakover Current [Note 1 ]	C=22nF [Note 2 ]	Max	50	$\mu\text{A}$
$t_r$	Rise Time [Note 1 ]	See Diagram 3	Typ	1.5	S
$I_B$	Leakage Current [Note 1 ]	$V_{BBO} = 0.5\text{V max}$ See Diagram 1	Max	10	$\mu\text{A}$

Notes: 1. Electrical characteristics applicable in both forward and reverse directions.  
2. Connected in parallel with the devices.

DIAGRAM 1: Current-voltage characteristics

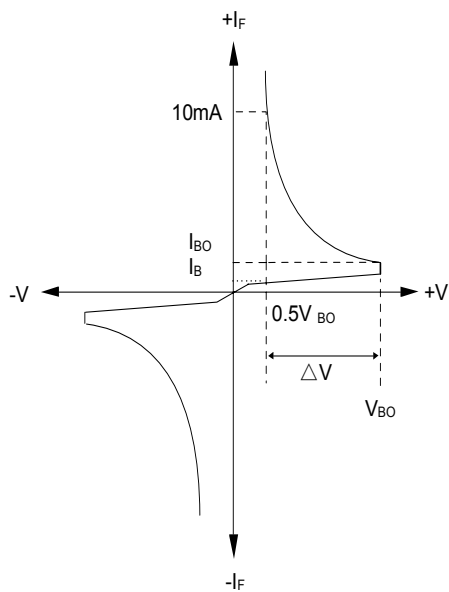


DIAGRAM 2: Test circuit for output voltage

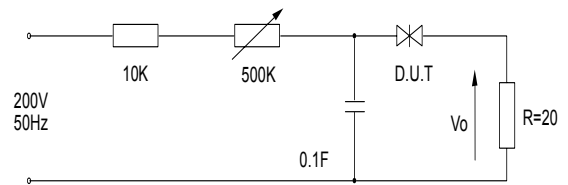


DIAGRAM 3: Test circuit see diagram 2 adjust R for  $I_p = 0.5A$

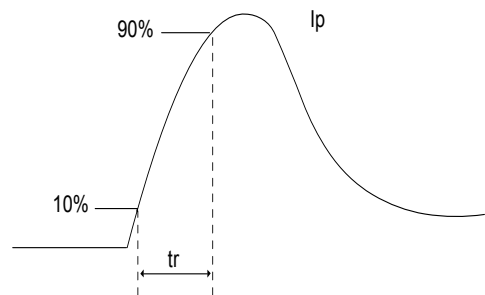


FIG.1-Power dissipation versus ambient temperature ( maximum values )

